

Agentic Framework Comparison

Criteria	LangGraph	Autogen	CrewAI	Final Verdict
Ease of Usage	✗	✓	✓	Autogen and CrewAI are more intuitive due to their conversational approach and simplicity.
Multi-Agent Support	✓	✓	✓	CrewAI excels with its structured role-based design and efficient interaction management among multiple agents.
Tool Coverage	✓	✓	✓	LangGraph and CrewAI have a slight edge due to their extensive integration with LangChain.
Memory Support	✓	✓	✓	LangGraph and CrewAI are advanced in memory support features, ensuring contextual awareness and learning over time.
Structured Output	✓	✓	✓	LangGraph and CrewAI have strong support for structured outputs that are versatile and integrable.
Documentation	✓	✓	✓	LangGraph and CrewAI offer extensive and well-structured documentation, making it easier to get started and find examples.
Multi-Agent Pattern Support	✓	✓	✓	LangGraph stands out due to its graph-based approach, which makes it easier to visualize and manage complex interactions.
Caching	✓	✓	✓	LangGraph and CrewAI lead with comprehensive caching mechanisms that enhance performance.
Replay	✓	✗	✓	LangGraph and CrewAI have inbuilt replay functionalities, making them suitable for thorough debugging.
Code Execution	✓	✓	✓	Autogen takes the lead slightly with its innate code execution, but others are also capable.
Human in the Loop	✓	✓	✓	All frameworks provide effective human interaction support and are

				equally strong in this criterion.
Customization	✓	✓	✓	All the frameworks offer high levels of customization, serving various requirements effectively.
Scalability	✓	✓	✓	All frameworks are capable of scaling effectively; experimenting with each is recommended to find the best fit.
Open Source LLMs	✓	✓	✓	All frameworks support open-source LLMs.

References:

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